Web

Results **1** - **4** of about **6** for **ILOAD_X stack replace with**. (**0.34** seconds)

cs510jip Compressed class Loader
The patterns **replace** each combination of operands with wildcards. ... The instruction set is small and mostly **stack** based and uses numbered "local ...
www.cs.pdx.edu/~apt/cs510jip_1998/jags_report/report.html - 25k - Cached - Similar pages

Demo 1 ...
We generalize this conjecture, **replacing** (ISORT X2) by IT. ... INSTANCE TH)) (MODIFY TH S1 :CALL-**STACK** (PUSH (MAKE-FRAME 0 (REVERSE (BIND-FORMALS (+ ...
www.cs.utexas.edu/users/moore/publications/talks/cadiz-03.demolog - 98k - Cached - Similar pages

The Apprentice Example J Strother Moore and George Porter Roughly ...
The lemma above will essentially **replace** ; (program frame) by (program1 class ... Let the car of threads be (i call-**stack** status rref) and ; let the car of ...
www.cs.utexas.edu/users/moore/publications/marktoberdorf-02/apprentice.lisp - 96k - Cached - Similar pages
[More results from www.cs.utexas.edu]

[PDF] Translation of Smart Card Applications for Formal Verification
File Format: PDF/Adobe Acrobat - View as HTML
iload_x Push local variable x, being an integer, onto the operand **stack**. ... **replacing** each push onto the **stack** with an assignment to a new local variable. ...
www.d.kth.se/~d98-jbo/main.pdf - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 4 already displayed. If you like, you can repeat the search with the omitted results included.

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ILOAD_X sun Microsystems Search Advanced Search Preferences

Web

Results 1 - 10 of about 11 for ILOAD_X sun Microsystems. (0.31 seconds)

cs510jip Compressed class Loader
In the short time since its launch, **Sun Microsystems's** Java Technology has become almost synonymous with ... **ILOAD_x** -> ISTORE_x, ILOAD_ISTORE, 4 bits ...
www.cs.pdx.edu/~apt/cs510jip_1998/jags_report/report.html - 25k - Cached - Similar pages

[PDF] Assembly Language through the Java Virtual Machine
File Format: PDF/Adobe Acrobat
Sun Microsystems provides detailed instructions. to download the Java environment for Win32 ... one byte instruction **iload_x** which implies local variable x, ...
portal.acm.org/ft_gateway.cfm?id=364583&type=pdf - Similar pages

[PS] An Energy Consumption Model forJava Virtual Machine Se'bastien ...
File Format: Adobe PostScript - View as Text
3.1 Measurements methodology We chose the **Sun Microsystems** K Virtual Machine (KVM), CLDC v1.0.3, asit has been ... **iload_x** became the most efficient opcode. ...
www.tucs.fi/publications/attachment.php?fname=TR597.ps.gz - Similar pages

[PDF] An Energy Consumption Model for Java Virtual Machine
File Format: PDF/Adobe Acrobat - View as HTML
we chose The **Sun Microsystems** k Virtual Machine (KVM), CLDC v1.0.3, as ...
variables then **iload_x** became The most efficient opcode. ...
www.tucs.fi/publications/attachment.php?fname=TR597.pdf - Supplemental Result - Similar pages

[PDF] An Energy Consumption Model for Java Virtual Machine
File Format: PDF/Adobe Acrobat - View as HTML
We chose the **Sun Microsystems** K Virtual Machine (KVM), CLDC v1.0.3, as ...
variables then **iload_x** became the most efficient opcode. ...
crest.abo.fi/publications/public/2004/TR597.pdf - Similar pages

[PDF] Translation of Smart Card Applications for Formal Verification
File Format: PDF/Adobe Acrobat - View as HTML
iload_x Push local variable x, being an integer, onto the operand stack. ... **Sun. Microsystems**. Java. card. 2.1.1. virtual. machine. speci cation. ...
www.d.kth.se/~d98-jbo/main.pdf - Similar pages

[DOC] Abstract
File Format: Microsoft Word - View as HTML
the command **iload_X** or iload X used in Figure 3 loads the content from ...
the Java Virtual Maschine Specification second Edition, **Sun Microsystems** Inc. ...
wendtstud1.hpi.uni-potsdam.de/sysmod-seminar/SS2005/elaborations/03-JVM-JRockit.doc - Supplemental Result - Similar pages

[PDF] BEA-JRockit, a Java Virtual Machine for server-side use
File Format: PDF/Adobe Acrobat - View as HTML
the command **iload_X** or iload X. used in Figure 3 loads the content from position X.
in the local variables array to the ... Edition", **Sun Microsystems** Inc. ...
wendtstud1.hpi.uni-potsdam.de/sysmod-seminar/SS2005/elaborations/03-JVM-JRockit.pdf - Supplemental Result - Similar pages

[PDF] JSTARTM - Synthesizable Java Coprocessor
File Format: PDF/Adobe Acrobat - View as HTML
Sun Microsystems: PersonalJava VM. Wind River Systems: Personal JWorks .
その他、Java互換VM全て ... iload, lload, fload, dload, aload, **iload_x**, ...
www.nazomi.com/images/MIPS_PTB_JapaneseLoRes.pdf - Supplemental Result - Similar pages

[PDF] THESE Construction Correcte de Logiciels pour Carte à Puce
File Format: PDF/Adobe Acrobat - View as HTML
... Spécification formelle de la vérification de l'instruction aaload _____
145 Figure 4-9 La spécification écrite par **Sun** du composant ...
www.gemplus.nl/smart/r_d/publications/pdf/Cas02phd.pdf - Supplemental Result - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 10 already displayed. If you like, you can repeat the search with the omitted results included.

ILOAD_X sun Microsystems Search

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	((cap adj2 file$1) and (smart adj2 card))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/09 16:10
S2	5	(Java same (cap adj2 file$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 09:11
S3	14072	(subscrib$4 or Java or smart) adj3 (card$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 10:23
S4	54	(class near3 loader$4) and ((Java adj class) near3 file$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 10:26
S5	141	("16-bit" or "8-bit") near3 (instruction$1 adj2 (set or architecture))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 10:38
S6	5	(Java and (cap adj file$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 10:56
S7	760	"16-bit" adj3 (processor or architecture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 10:56
S8	2490	(smart adj card$1) near2 (computer$1 or architecture$1 or processor$1 or device$1 or program$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:05
S9	15	("16-bit" adj3 (processor or architecture)) and (smart adj2 card$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:03

S10	17332736	@ad<="19990202" or @rlfd<="19990202"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 08:43
S11	7785	((subscrib$4 or Java or smart) adj3 (card$1)) and (@ad<="19990202" or @rlfd<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:05
S12	7836	(((subscrib$4 or Java or smart) adj3 (card$1)) and (@ad<="19990202" or @rlfd<="19990202")) or ((class near3 loader$4) and ((Java adj class) near3 file$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:05
S13	1276	((((subscrib$4 or Java or smart) adj3 (card$1)) and (@ad<="19990202" or @rlfd<="19990202")) or ((class near3 loader$4) and ((Java adj class) near3 file$1))) and ((smart adj card$1) near2 (computer$1 or architecture$1 or processor$1 or device$1 or program$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:06
S14	961	(type or pointer) adj2 safe	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:09
S15	1572	(object adj oriented) and ((class or interface or array) adj2 type)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:12
S16	44	((type or pointer) adj2 safe) and ((object adj oriented) and ((class or interface or array) adj2 type))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:13
S17	4	((Java adj class) adj2 file$1) and (((((subscrib$4 or Java or smart) adj3 (card$1)) and (@ad<="19990202" or @rlfd<="19990202")) or ((class near3 loader$4) and ((Java adj class) near3 file$1))) and ((smart adj card$1) near2 (computer$1 or architecture$1 or processor$1 or device$1 or program$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 11:15

S18	6	Garney.in. and (smart adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 12:03
S19	12	Baentsch.in. and (smart adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 12:06
S20	8	(Baentsch.in. and (smart adj card)) and (smart adj card).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:24
S21	13	(((convert$4 adj2 applet) or CAP) adj2 file$1) and class$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:30
S22	3	(((convert$4 adj2 applet) or ". CAP" or ".cap") adj2 file$1) and class$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:33
S23	6	Schwabe.in. and (virtual adj machine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:33
S24	2	(Schwabe.in. and (virtual adj machine)) and (@ad<="19990202" or @rlfd<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:40
S25	2	"6092147".URPN.	USPAT	OR	ON	2003/01/14 13:35
S26	4	(chen.in. and (code near8 validation)) and @pn<>" "	USPAT	OR	ON	2003/01/14 13:40
S27	2	((chen.in. and (code near8 validation)) and @pn<>" ") and (@ad<="19990202" or @rlfd<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:57
S28	23	"5996076".URPN.	USPAT	OR	ON	2003/01/14 13:44
S29	48	((constant adj pool) near3 (indic$3 or index)) and (Java or (class$3 near5 load$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:57

S30	35	(((constant adj pool) near3 (indic$3 or index)) and (Java or (class$3 near5 load$4))) and (@ad<="19990202" or @rlfd<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 14:03
S31	1	((((constant adj pool) near3 (indic$3 or index)) and (Java or (class$3 near5 load$4))) and (@ad<="19990202" or @rlfd<="19990202")) and (((((convert$4 adj2 applet) or CAP) adj2 file$1) and class$3) or (smart adj card$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 13:58
S32	2	"5999732".URPN.	USPAT	OR	ON	2003/01/14 13:59
S33	5	((((constant adj pool) near3 (indic$3 or index)) and (Java or (class$3 near5 load$4))) and (@ad<="19990202" or @rlfd<="19990202")) and (download$4 near4 (software or program))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 14:04
S34	4	Baentsch.in. and (constant adj pool)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/14 16:18
S35	4	(Beantsch or Buhler or oestreicher).in. and (constant adj pool)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 08:40
S36	17	(smart adj card) and (constant adj pool)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 08:52
S37	5	((smart adj card) and (constant adj pool)) and (@ad<="19990202" or @rlfd<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 08:51

S38	57	((US-4587612-$ or US-5650948-$ or US-5634118-$ or US-5619666-$ or US-5577233-$ or US-5574927-$ or US-5542059-$ or US-5535329-$ or US-5490256-$ or US-5481684-$ or US-5430862-$ or US-5355460-$ or US-5335344-$ or US-5333296-$ or US-5313614-$ or US-5241636-$ or US-5218711-$ or US-5201056-$ or US-5193180-$ or US-5163139-$ or US-5142681-$ or US-5136696-$ or US-5113522-$ or US-5077657-$ or US-4961141-$ or US-4860191-$).did. or (US-4783738-$ or US-4763255-$ or US-4631663-$ or US-6131144-$ or US-6026485-$ or US-6021469-$ or US-5999731-$ or US-5983334-$ or US-5953741-$ or US-5937193-$ or US-5923892-$ or US-5903761-$ or US-5898885-$ or US-5898850-$ or US-5889996-$ or US-5875336-$ or US-5838165-$ or US-5809336-$ or US-5794068-$ or US-5784584-$ or US-5781750-$ or US-5778178-$ or US-5774868-$ or US-5768593-$ or US-5764908-$ or US-5761477-$ or US-5692170-$).did. or (US-5659703-$ or US-6209077-$ or US-6167488-$ or US-6158048-$).did.) and (@ad<="19990202" or @rlfd<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 08:51

S39	5	(((US-4587612-$ or US-5650948-$ or US-5634118-$ or US-5619666-$ or US-5577233-$ or US-5574927-$ or US-5542059-$ or US-5535329-$ or US-5490256-$ or US-5481684-$ or US-5430862-$ or US-5355460-$ or US-5335344-$ or US-5333296-$ or US-5313614-$ or US-5241636-$ or US-5218711-$ or US-5201056-$ or US-5193180-$ or US-5163139-$ or US-5142681-$ or US-5136696-$ or US-5113522-$ or US-5077657-$ or US-4961141-$ or US-4860191-$).did. or (US-4783738-$ or US-4763255-$ or US-4631663-$ or US-6131144-$ or US-6026485-$ or US-6021469-$ or US-5999731-$ or US-5983334-$ or US-5953741-$ or US-5937193-$ or US-5923892-$ or US-5903761-$ or US-5898885-$ or US-5898850-$ or US-5889996-$ or US-5875336-$ or US-5838165-$ or US-5809336-$ or US-5794068-$ or US-5784584-$ or US-5781750-$ or US-5778178-$ or US-5774868-$ or US-5768593-$ or US-5764908-$ or US-5761477-$ or US-5692170-$).did. or (US-5659703-$ or US-6209077-$ or US-6167488-$ or US-6158048-$).did.) and (@ad<="19990202" or @rlfd<="19990202")) and ((smart adj card) or (constant adj pool))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 08:52
S40	29	(US-6366876-$ or US-6363523-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-6092147-$ or US-5740441-$ or US-6081850-$ or US-5822784-$ or US-6279030-$ or US-5996076-$ or US-6260187-$ or US-6081665-$ or US-6332215-$ or US-6311165-$ or US-6253215-$ or US-6061520-$ or US-6026485-$ or US-5999731-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2003/01/15 08:56

S41	5	((US-6366876-$ or US-6363523-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-6092147-$ or US-5740441-$ or US-6081850-$ or US-5822784-$ or US-6279030-$ or US-5996076-$ or US-6260187-$ or US-6081665-$ or US-6332215-$ or US-6311165-$ or US-6253215-$ or US-6061520-$ or US-6026485-$ or US-5999731-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.) and ((smart adj card) and (constant adj pool))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 08:56
S42	3	(((smart adj card) and (constant adj pool)) and (@ad<="19990202" or @rlfd<="19990202")) not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 10:57
S43	29	(US-6366876-$ or US-6363523-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-6092147-$ or US-5740441-$ or US-6081850-$ or US-5822784-$ or US-6279030-$ or US-5996076-$ or US-6260187-$ or US-6081665-$ or US-6332215-$ or US-6311165-$ or US-6253215-$ or US-6061520-$ or US-6026485-$ or US-5999731-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2003/01/15 11:55
S44	3	(((smart adj card) and (constant adj pool)) and (@ad<="19990202" or @rlfd<="19990202")) not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 12:35

S45	3	((US-6366876-$ or US-6363523-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-6092147-$ or US-5740441-$ or US-6081850-$ or US-5822784-$ or US-6279030-$ or US-5996076-$ or US-6260187-$ or US-6081665-$ or US-6332215-$ or US-6311165-$ or US-6253215-$ or US-6061520-$ or US-6026485-$ or US-5999731-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.) and ((((smart adj card) and (constant adj pool)) and (@ad<="19990202" or @rlfd<="19990202")) not ((Sun adj Microsystems).as.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 10:57
S46	2	((US-6366876-$ or US-6363523-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-6092147-$ or US-5740441-$ or US-6081850-$ or US-5822784-$ or US-6279030-$ or US-5996076-$ or US-6260187-$ or US-6081665-$ or US-6332215-$ or US-6311165-$ or US-6253215-$ or US-6061520-$ or US-6026485-$ or US-5999731-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.) and ("16-bit" adj2 (instruction or architecture or bus or computer or platform or microprocess$5 or integer$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:37
S47	1	Schlumberger.as. and (JVM same card$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:10
S48	136	Schlumberger.as. and (integrated same card$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:10

S49	4	((US-6366876-$ or US-6363523-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-6092147-$ or US-5740441-$ or US-6081850-$ or US-5822784-$ or US-6279030-$ or US-5996076-$ or US-6260187-$ or US-6081665-$ or US-6332215-$ or US-6311165-$ or US-6253215-$ or US-6061520-$ or US-6026485-$ or US-5999731-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.) and ("16-bit")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:13
S50	268	("16-bit" near5 (instruction$1 or architecture or microcontroller$1 or DSP or (portable adj3 device$1))) and (download$4 and (integrat$4 or embedd$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:40
S51	72	(("16-bit" near5 (instruction$1 or architecture or microcontroller$1 or DSP or (portable adj3 device$1))) and (download$4 and (integrat$4 or embedd$4))) and ("16-bit" adj4 (microcontroller$1 or DSP or (portable adj3 device$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:41
S52	54	((("16-bit" near5 (instruction$1 or architecture or microcontroller$1 or DSP or (portable adj3 device$1))) and (download$4 and (integrat$4 or embedd$4))) and ("16-bit" adj4 (microcontroller$1 or DSP or (portable adj3 device$1)))) and ((@ad<="19990202" or @rlfd<="19990202") not ((Sun adj Microsystems).as.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:46
S53	4	((((("16-bit" near5 (instruction$1 or architecture or microcontroller$1 or DSP or (portable adj3 device$1))) and (download$4 and (integrat$4 or embedd$4))) and ("16-bit" adj4 (microcontroller$1 or DSP or (portable adj3 device$1)))) and ((@ad<="19990202" or @rlfd<="19990202") not ((Sun adj Microsystems).as.))) and ((byte adj code) or JVM or (applet$1) or Java)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:44

S54	6	"16-bit" near3 ((smart or (integrated adj circuit) or ID or wallet$1) adj2 card$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:56
S55	3	("16-bit" near3 ((smart or (integrated adj circuit) or ID or wallet$1) adj2 card$1)) and ((@ad<="19990202" or @rlfd<="19990202") not ((Sun adj Microsystems).as.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 11:46
S56	10	"5724279".URPN.	USPAT	OR	ON	2003/01/15 11:52
S57	2637	((in adj2 line$1) near4 (data or operation$1 or instruction$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/01/15 17:35
S58	2507	(717/108,115-118,136-167, 174-178).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/01/16 13:15
S59	1	((inlin$4 adj2 (data$1 or operand$1)) near6 instruction$1) and (constant adj pool$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/09 16:21
S60	0	((transform$4 or convert$4) near3 (reference$1 near5 (constant adj pool$1))) same (instruction$1 near3 inlin$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/09 16:22
S61	0	((inlin$4 adj2 operand$1) near6 instruction$1) and (constant adj pool$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/14 15:40
S62	1	((inlin$4 adj2 data) near7 (operand$1 or instruction$1)) and (constant adj pool$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/14 16:16
S63	8	(("6272674") or ("6349344") or ("6195700") or ("6399820")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/14 16:17

S64	31	(US-6260187-$ or US-6081665-$ or US-6061520-$ or US-6026485-$ or US-6253215-$ or US-6332215-$ or US-5999731-$ or US-6279030-$ or US-5740441-$ or US-6366876-$ or US-6363523-$ or US-6311165-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5923884-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-5724279-$ or US-6081850-$ or US-5822784-$ or US-6092147-$ or US-5996076-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2004/05/14 17:05
S65	22	((US-6260187-$ or US-6081665-$ or US-6061520-$ or US-6026485-$ or US-6253215-$ or US-6332215-$ or US-5999731-$ or US-6279030-$ or US-5740441-$ or US-6366876-$ or US-6363523-$ or US-6311165-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5923884-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-5724279-$ or US-6081850-$ or US-5822784-$ or US-6092147-$ or US-5996076-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.) and (smart adj2 card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/14 17:06

S66	4	(((US-6260187-$ or US-6081665-$ or US-6061520-$ or US-6026485-$ or US-6253215-$ or US-6332215-$ or US-5999731-$ or US-6279030-$ or US-5740441-$ or US-6366876-$ or US-6363523-$ or US-6311165-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5923884-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-5724279-$ or US-6081850-$ or US-5822784-$ or US-6092147-$ or US-5996076-$).did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.) and (smart adj2 card)) and (class adj file) and (constant adj2 pool)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/14 17:07
S67	3	((((US-6260187-$ or US-6081665-$ or US-6061520-$ or US-6026485-$ or US-6253215-$ or US-6332215-$ or US-5999731-$ or US-6279030-$ or US-5740441-$ or US-6366876-$ or US-6363523-$ or US-6311165-$ or US-6308317-$ or US-6282522-$ or US-6236909-$ or US-6005942-$ or US-5923884-$ or US-5844218-$ or US-5757918-$ or US-5742845-$ or US-5724279-$ or US-6081850-$ or US-5822784-$ or US-6092147-$ or US-5996076-$). did. or (US-20020059475-$ or US-20020198837-$).did. or (WO-9949392-$).did. or (US-6272607-$ or EP-964361-$ or EP-964370-$).did.) and (smart adj2 card)) and (class adj file) and (constant adj2 pool)) and (@ad<="19990202" or @rlad<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/14 17:08
S68	4	(Smart adj card) and (constant adj pool) and (class adj file) and (convert$4 near4 (byte code)) and (8-bit or 16-bit or 32-bit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 12:33
S69	2	((Smart adj card) and (constant adj pool) and (class adj file) and (convert$4 near4 (byte code)) and (8-bit or 16-bit or 32-bit)) and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 14:44

S70	14	(16-bit near2 architecture) same (embedded near3 (microcontroller or processor or DSP))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 14:51
S71	1	((16-bit near2 architecture) same (embedded near3 (microcontroller or processor or DSP))) and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 14:52
S72	2	("6,425,003").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 14:50
S73	0	(16-bit near2 architecture) and (("6,425,003").pn.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 14:48
S74	2	("6,581,206").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 14:50
S75	16	(16-bit near2 architecture) same ((embedded near3 (microcontroller or processor or DSP)) or "smart card" or "credit card")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:07
S76	2	((16-bit near2 architecture) same ((embedded near3 (microcontroller or processor or DSP)) or "smart card" or "credit card")) and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:24
S77	71	(16-bit near2 (architecture or microcontroller)) and ((embedded near3 (processor or DSP)) or "smart card" or "credit card")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:20
S78	30	((16-bit near2 (architecture or microcontroller)) and ((embedded near3 (processor or DSP)) or "smart card" or "credit card")) and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:16

S79	23	(((16-bit near2 (architecture or microcontroller)) and ((embedded near3 (processor or DSP)) or "smart card" or "credit card")) and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)) and ((smart or Java or credit or personal) adj2 card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:17
S80	8	(16-bit near2 (architecture or microcontroller or smartcard)) and ((((16-bit near2 (architecture or microcontroller)) and ((embedded near3 (processor or DSP)) or "smart card" or "credit card")) and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)) and ((smart or Java or credit or personal) adj2 card)) and ((Java or smart) adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:22
S81	3	16-bit near2 ((Java or smart) adj2 card)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:23
S82	0	(16-bit near2 ((Java or smart) adj2 card)) and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/15 15:24
S184	22	(inlin$4 and (operand$1 near6 (substitut$5 replac$6))) and link$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:25
S185	17	S184 and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:42
S186	9	S185 and Yates.in. and (register near5 (operand and replac$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:29
S187	9	S186 and (handheld or device or wireless or PDA or phone or "constant pool")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:30

S188	0	S186 and (handheld or wireless or PDA or phone or "constant pool")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:31
S189	5	S185 not S187 and (handheld or wireless or PDA or phone or "constant pool")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:31
S190	2	Wilkinson.in. and "class file" and "constant pool"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:12
S191	2	(Guthery or Krishna not Wilkinson).in. and "class file" and "constant pool"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:13
S192	0	((Guthery Krishna) not Wilkinson). in. and "class file" and "constant pool"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:35
S193	1	((instruction opcode) near5 replac$4) same ((composite adj2 instruction) or (combin$3 near4 (("two or more" or plurality or "more than one") adj3 (opcode instruction))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:41
S194	25	(substitut$5 replac$4) same (((composite compound) adj2 instruction) or (combin$3 near4 (("two or more" or plurality or "more than one") adj3 (opcode instruction))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:41
S195	15	S194 and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:50
S196	191	((substitut$3 replac$4) near5 ((compound integrated composite) adj2 instruction opcode)) and (reduc$4 or optimi$5 or "constant pool")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:49
S197	13	S194 and (@ad<="19990202" or @rlad<="19990202") not "562"/$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:50

S198	130	S196 and (@ad<="19990202" or @rlad<="19990202") not "562"/$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 16:02
S199	1	S198 and Java and (opcode near6 substitut$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:58
S200	16	("6151618").URPN.	USPAT	OR	ON	2005/05/20 15:58
S201	23	S198 and (optimi$5 reduc$5) and (opcode near6 substitut$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 15:59
S202	12	optimi$5 and (instruction near6 (substitut$4 and inlin$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 16:33
S203	10	S202 and (@ad<="19990202" or @rlad<="19990202") not "562"/$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 16:30
S204	6	Santhanam.in. and inlin$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 16:31

S205	42	(US-20020059475-$ or US-20020198837-$ or US-20030023954-$ or US-20040141207-$).did. or (US-5724279-$ or US-5740441-$ or US-5742845-$ or US-5757918-$ or US-5822784-$ or US-5844218-$ or US-5923884-$ or US-5996076-$ or US-5999731-$ or US-6005942-$ or US-6026485-$ or US-6061520-$ or US-6081665-$ or US-6081850-$ or US-6092147-$ or US-6236909-$ or US-6253215-$ or US-6260187-$ or US-6279030-$ or US-6282522-$ or US-6308317-$ or US-6311165-$ or US-6332215-$ or US-6363523-$ or US-6366876-$ or US-5930509-$).did. or (US-5950007-$ or US-5619665-$ or US-6748587-$ or US-6317872-$ or US-6106574-$ or US-6151618-$ or US-6247174-$).did. or (WO-9949392-$).did. or (WO-9949392-$ or EP-964370-$ or EP-964361-$ or US-6272607-$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/20 16:32
S206	1	S205 and Java and inlin$5 and (optimi$4 reduc$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 16:33
S207	6	S205 and optimi$5 and ((instruction operand opcode) near6 (substitut$4 inlin$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 16:34
S208	9680	((717/110-116,126,134,139-140, 148-161) or (711/6,208) or (713/187) or (709/1,203) or (705/21,67)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/21 14:19
S209	9792	((717/110-118,126,134,139-140, 148-161) or (711/6,208) or (713/187) or (709/1,203) or (705/21,67)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/21 14:19
S210	0	(avoid$4 obviat$4 eliminat$4 remov$4 reduc$4) adj4 refer$3 adj4 "constant pool"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 12:18

S211	6	(avoid$4 obviat$4 eliminat$4 remov$4 reduc$4) near4 refer$5 adj4 "constant pool"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 12:18
S212	0	S211 and (@ad<="19990202" or @rlad<="19990202") not (Sun adj Microsystems).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 12:19
S213	4	S211 and (@ad<="19990202" or @rlad<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:02
S214	2	"6308317".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:21
S215	11	(DSP ASIC (embedded near3 (system microcontroller controller))) and ((16-bit and 32-bit) near4 processor) and (network same (download$4 distribut$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:27
S216	5	S215 and (@ad<="19990202" or @rlad<="19990202") not ((Sun adj Microsystems).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:25
S217	70	(DSP ASIC (embedded near3 (system microcontroller controller))) and ((16-bit and 32-bit) near4 processor) and (@ad<="19990202" or @rlad<="19990202")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:28
S218	3	S217 and ((network same download$4) or (software same distribut$4) or (upgrad$4 same install$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:29

Index of /~apt/cs510jip_1998/jags_report

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Drawing2.jpg	21-May-1998 15:24	37k	
class_example/	21-May-1998 15:24	-	
classcompressor/	21-May-1998 15:24	-	
classloader/	21-May-1998 15:24	-	
classpath.bat	21-May-1998 15:24	1k	
design1.jpg	21-May-1998 15:24	78k	
design2.jpg	21-May-1998 15:24	78k	
design3.jpg	21-May-1998 15:24	53k	
readme.html	21-May-1998 15:24	8k	
report.html	21-May-1998 15:24	24k	

CS510JIP Understanding Java Implementation (Winter 1998)

Instructor: Andrew Tolmach

Syllabus (postscript)

Projects!

Here is a selection of results from student projects.

- Wen Huang, Java Performance Comparison
- Matthew Mead, Java Native Interface
- Phil Grimm, Stack Code Optimization
- Jags Ramnarayan, Java Byte Code Compression

Tools

- Version 1.1.1 of Sun's Java Development Kit is installed on the PSU CS network; do "`addpkg jdk1.1.1`" to add it to your set of configured packages.
- You can fetch a copy of the latest release (currently 1.1.5) for your own Sparc or MS system directly from Sun.
- Other tools are installed on the PSU CS system in `/u/jipacc`. These include:
  - `jasmin` - a JVM assembler.
    - To use, add `/u/jipacc/jasmin/bin` to your path (`/pkgs/jdk1.1.1/bin` must be in your path too).
    - Assembler documentation.
    - Handy on-line reference for the instruction set.
    - You can download your own copy from here.
  - `D-Java` - a JVM disassembler that can produce `jasmin`-format output (unlike SUN's `javap -c`).
    - To use, add `/u/jipacc/D-Java/bin` to your path.
    - For `jasmin`-compatible output, use the `-o jasmin` option.
    - For detailed use information, consult the file `/u/jipacc/D-Java/readme`.
    - You can download your own copy from here.
  - `mocha` - a bytecode-to-Java decompiler
    - To use, consult `/u/jipacc/mocha/Readme.txt`.
    - You can download your own copy from here. Note the legal controversy.
    - Try out another decompiler called SourceAgain (sometimes crashes my browser).
    - For more information about decompilers, take a look at Dave Dyer's article "Java decompilers compared".
  - `kaffe` - a JVM interpreter and JIT compiler with public source
    - To use, consult `/u/jipacc/kaffe-0.9.2/README`.
    - Have a look at the source code in `/u/jipacc/kaffe-0.9.2/kaffe/kaffevm`.
    - You can download your own copy from here.
- Reading and writing .class files.
  - To write Java .class files, try generating text output that can be fed to the jas assembler

(installed in the class account as part of `jasmin`).
  - For an example of how to read Java .class files into C, take a look at the `kaffe` source code.
  - To read or write .class files directly in Java, consider Java Class.
- For those wanting to do code generation for the PCAT language, a complete front end (for the SPARC) and (C-based) tools for manipulating abstract syntax are now installed in `/u/jipacc/pcat`, or you can download them.

Syllabus

- Jan. 8 Introduction; the Java language. (4up postscript)

  Reading:
  - James Gosling, "Java Intermediate Bytecodes," *Proc. ACM SIGPLAN Workshop on Intermediate Representations*, Jan. 1995.
  - James Gosling & Henry McGilton, The Java Language Environment White Paper, May 1996.
  - Tim Lindholm & Frank Yellin, The Java Virtual Machine, Sept. 1996, especially Chapters 3 and 7.

- Jan. 15 Java Virtual Machine specification. (4up postscript)
- Jan. 22 JVM Specification (continued). (Notes incomplete.) (4up postscript)

  Reading:
  - Phil Koopman, A Preliminary Exploration of Optimized Stack Code Generation

- Jan. 29 Internal structure of Java Virtual Machine. (Outline only.) Mini-interpreter source code

  Reading:
  - Anton Ertl, "Stack Caching for Interpreters", Proc. ACM Conf. on Programming Language Design and Implementation, June 1995.
  - Romer, et al., "The structure and performance of Interpreters", Proc. ACM Conference on Architectural Support for Programming Languages and Operating Systems, Oct. 1996.

- Feb. 5 Interpretation vs. just-in-time compilation.

  Reading:
  - Hummel, Azevedo, Kolson, and Nicolau, "Annotating the Java Bytecodes in Support of Optimization," ACM 1997 Workshop on Java for Science and Engineering Computation, Las Vegas, Nevada, June 1997.
  - Krall and Grafl, "CACAO - A 64 bit JavaVM Just-in-Time Compiler", ACM 1997 Workshop on Java for Science and Engineering Computation, Las Vegas, Nevada, June 1997.

- Feb. 12 Garbage collection. (4up postscript) *Deadline for agreeing on project/report topics*

  Reading:
  - Jones and Lins, *Garbage Collection: Algorithms for Automatic Dynamic Memory Management* (a real book, not on the web).
  - Paul Wilson's comprehensive survey on garbage collection.
  - Information about the Boehm-Weiser-Demers Conservative garbage collector.

- Feb. 19 Security for mobile code. (No lecture notes available.)

  Reading:
  - Drew Dean, Edward W. Felten, Dan S. Wallach, and Dirk Balfanz, Java Security: Web Browsers and Beyond, Technical Report 566-97, Department of Computer Science, Princeton University, February 1997.
  - Dan S. Wallach, Dirk Balfanz, Drew Dean, and Edward W. Felten, Extensible Security Architectures for Java. *16th Symposium on Operating Systems Principles* (Saint-Malo, France), October, 1997.

- Feb. 26 Mobile code.

  Reading:
  - Sun's RMI Interface
  - Thorn, Programming Languages for Mobile Code, (link broken?) ACM Computing Surveys, September 1997.
  - Cardelli, Mobile Computing.
  - Cardelli, A language with Distributed Scope (about Oblique).
  - Knabe, Language Support for Mobile Agents.
  - Henry Cejtin, Suresh Jagannathan, and Richard Kelsey, Higher-Order Distributed Objects, ACM Transactions on Programming Languages and Systems, September 1995. (about Kali Scheme)

- Mar. 5 Whole-program optimization. *Project/report due.*

  Reading:
  - Urs Hoelzle, and David Ungar, Reconciling Responsiveness with Performance in Pure Object-Oriented Languages. *ACM Transactions of Programming Languages and Systems*, 1996.
  - Craig Chambers, Jeffrey Dean, and David Grove, Whole-program optimization of object-oriented languages. Tech. Rep. 96-06-02, Dept. of Computer Science, Univ. of Washington, (June, 1996).
  - David Bacon, Fast and Effective Optimization of Statically Typed Object-Oriented Languages. Dissertation, University of California at Berkeley, 1997.

- Mar. 12 Wrap-up; presentation of student projects.

Other Topics

- General Java Implementation Links
  - Bill Venners, *Inside the Java Virtual Machine,* ("Beta Version"), McGraw-Hill, 1998.
  - Jon Meyer's Java Virtual Machine - Resource Guide
  - Complete Java announcements index

- Compiling to the JVM from other languages.
  - Languages for the Java VM
  - Byte-compilation of Scheme using Java byte-codes

Index of /~apt/cs510jip_1998

Name	Last modified	Size	Description
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interp.c	03-Feb-1998 17:44	3k	
jags_report/	21-May-1998 15:24	-	
lecture1.ps	09-Jan-1998 19:24	65k	
lecture1/	09-Jan-1998 19:01	-	
lecture2.ps	15-Jan-1998 10:30	97k	
lecture2/	15-Jan-1998 10:30	-	
lecture3.ps	27-Jan-1998 09:59	52k	
lecture3/	27-Jan-1998 09:59	-	
lecture4.txt	06-Feb-1998 09:47	1k	
lecture5.txt	06-Feb-1998 09:40	19k	
mobile	26-Feb-1998 16:48	7k	
mobile_lecture.txt	27-Feb-1998 17:57	7k	
pcat.tar.Z	24-Feb-1998 11:32	684k	
syllabus.ps	11-Jan-1998 13:19	27k	
syllabus/	11-Jan-1998 13:19	-	
wholeprog.txt	29-Mar-1998 11:10	6k	